

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/00010

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C12N 15/12, C12N 5/10, G01N33/50, G01N33/15

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C12N 15/12, C12N 5/10, G01N33/50, G01N33/15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS (DIALOG), WPI (DIALOG)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PA	J.Stables, et al. "Development of a dual glow-signal firefly and renilla luciferase assay reagent for the analysis of G-protein coupled receptor signalling", Journal of Receptor & Signal Transduction Research (Nov.1999), Vol.19, No.1-4, p.395-410	1-8
PA	Renqin Duan, et al. "Transcriptional activation of c-fos protooncogene by 17 β -estradiol: Mechanism of aryl hydrocarbon receptor-mediated inhibition", Molecular Endocrinology (Sep.1999), Vol.13, No.9, p.1511-1521	1-8
A	M.S.Denison, et al. "Carbonyl, a Carbamate Insecticide, is a Ligand for the Hepatic Ah(Dioxin) Receptor", Toxicology and Applied Pharmacology(1998), Vol.152, No.2, p.406-414	1-8
A	Hans-Joachim Schmitz, et al. "2, 3, 7, 8-Tetrafluorodibenzo -p- dioxin: a potent agonist of the murine dioxin receptor", Environmental Toxicology and Pharmacology(1997), Vol.3, No.2, p.105-113	1-8

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
04 April, 2000 (04.04.00)Date of mailing of the international search report
18 April, 2000 (18.04.00)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Mark Merchant, et al., "In Vitro inhibition of 2,3,7,8-tetrachlorodibenzo-p-dioxin induced activity by α -naphthoflavone and 6-methyl-1, 3, 8-trichlorodibenzofuran using an aryl hydrocarbon (Ah)-responsive construct", Biochemical Pharmacology (1995), Vol.50, No.5, p.663-668	1-8
A	Debie Hoivik, et al. "Estrogen does not inhibit 2,3,7,8-tetrachlorodibenzo-p-dioxin-mediated effects in MCF-7 and hepa 1c1c7 cells", The Journal of Biological Chemistry (1997), Vol.272, No.48, p.30270-30274	1-8
A	A.J.Murk, et al. "Chemical-activated luciferase gene expression (CALUX): A novel in vitro bioassay for Ah receptor active compounds in sediments and pore water", Fundamental and Applied Toxicology (1996), Vol.33, No.1, p.149-160	1-8
A	Venkatesh Krishanan, et al. "Molecular mechanism of inhibition of estrogen-induced cathepsin D gene expression by 2, 3, 7, 8- tetrachlorodibenzo-p-dioxin (TCDD) in MCF7 cells", Molecular and Cellular Biology (1995), Vol.15, o.12, p.6710-6719	1-8
A	Anna Wilhelmsson, et al. "Agonistic and antagonistic effects of α -naphthoflavone on dioxin ewceptor function", The Journal of Biological Chemistry (1994), Vol.269, No.29, p.19028-19033	1-8